



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Environmental Health Service,
HSE Dublin/North East,
Cavan and Monaghan,
The Arcade,
Main Street,
Cavan,
Co. Cavan

P1067-01

Tel: 049 4373418
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Ref/BC/CO'D/ EHIS Ref: 0694

21 December 2017

Ms Grainne Oglesby,
Programme Officer,
Office of Climate, Licencing & Resource Use,
Environmental Protection Agency,
Headquarters P.O. Box 300,
Johnstown Castle Estate,
Co. Wexford.



Re: Application for an Integrated Pollution Prevention and Control License.

Class and Nature of Activity: 6.1

The rearing of poultry in installations weather within the same complex or within 100 metres of the same complex, where the capacity exceeds 40,000 places.

Applicant: Mr Pauric & Stephen Hannigan, Drumsillagh, Tullyvin, Cootehill, Co Cavan.

Ref. No: P1067 - 01

Dear Ms Oglesby,

Please find enclosed the Health Service Executive consultation report in relation to the above application.

The following HSE departments were made aware of the consultation request for the above application on 11/12/17:

- Emergency Planning
- Estates
- Assistant National Director for Health Protection
- RDPI

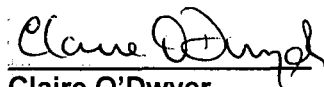
The Environmental Health Service response to the application is in the attached consultation report.

- The assessment is based on an assessment of documentation submitted to this office.
- A site visit was conducted on 18/12/17.
- Environmental Health was not included at the Screening / Scoping stage of this application.
- All commitments to future actions including mitigation and further testing have been taken as read and all data results have been accepted as accurate.
- No additional investigations / measurements were undertaken.
- This report refers only to those sections of the documents which are relevant to the HSE.
- We have made observations and submissions under the following specific areas;

Human Beings	Soil
Water	Air
Climatic Factors	Material Assets
Interaction of the above	Waste

All correspondence or any queries with regard to this report including acknowledgement of this report should be forwarded to Ms. Claire O'Dwyer, Principal Environmental Health Officer.

Yours sincerely,



Claire O'Dwyer
Principal Environmental Health Officer



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21 December 2017

Ms. Claire O'Dwyer,
Principal Environmental Health Officer,
Environmental Health Office,
The Arcade,
Main Street,
Cavan,
Co Cavan.

Re: Application for an Integrated Pollution Prevention and Control License.

Class and Nature of Activity: 6.1

The rearing of poultry in installations where the capacity exceeds 40,000 places.

Applicant: Mr Pauric & Stephen Hannigan, c/o Mr Padraic Fay, CLW Environmental Planners Ltd, The Mews, 23 Farnham Street, Cavan.

Location of Facility: Drumsinagh, Tullyvin, Cootehill, Co Cavan.

Ref. No: P1067 - 01

EHIS Ref: 0694

Dear Claire,

I refer to an application for an IPPC license for No. 1 existing poultry production unit No. 1 proposed poultry production unit belonging to the above named applicants. The IPPCL application for these units was submitted to the EPA on the 24 November 2017. There is currently 1 fully operational poultry unit to accommodate approximately 38,000 birds onsite. Rearing of poultry is carried out from day old until removed at 35 – 52 days old and transported off-site for meat production. The applicant is proposing to construct a second poultry unit adjacent to the existing unit to accommodate an overall number of approximately 78-80,000 birds on-site.

The following are observations made whilst reviewing the said application and related documents in conjunction with EPA guidance documents and associated Legislation. Further observations were made during the site visit and discussions with Mr. Pauric Hannigan on 18 December 2017.

Site Location

The nearest neighbour is located in excess of 300m from the facility. It was established that both the poultry site and the nearest neighbour have been living side by side for a long number of years without any issues arising. The applicant has stated that there have been no complaints and this office has not been made aware of any complaints.

Manure

Currently all manure is collected by the contractor Eamon Fitzpatrick, Clones, Co Monaghan, who removes the manure to be used in the manufacture of mushroom compost at various compost yards. There is no suitable storage area for manure on-site however no manure is currently stored on-site and the applicant does not intend to store manure on-site. The current arrangement is to continue with the new development.

Soiled Water

Currently, soiled water is collected from the excising house in a soiled water tank located to the front end of the existing poultry unit. There is a natural fall in the concrete yard to a gully which drains soiled water during cleaning to the soiled water tank. Mrs. Sullivan stated that if the tanks are getting full they discharge the soiled water into the cattle slurry tank and it is subsequently spread on the family land surrounding the site in accordance with the Nitrates Directive. The applicant uses a bung system to divert clean surface water to a field drain and diverts soiled water during clean down by removing the bung and placing it in the clean surface water divert pipe blocking any soiled water entering the clean surface water drainage system and diverting soiled water to the soiled water collection tank.

It is recommended that the applicant take all precautions during clean down to ensure that soiled water does not enter the clean surface or storm water drainage system and that such precautions are applied to the proposed new poultry unit.

There is no high level monitor on the existing soiled water tank. If the tank were to overflow it may adversely affect the water quality in the water course located beside the soiled water tank.

It is recommended that all soiled water tanks including the tank associated with the new development have high level monitors installed.

It is also recommended that the applicant is made aware that the following applies to all poultry manure and wash-water storage structures whether or not on the site of the unit:

- A minimum of six months storage capacity dedicated to the unit is required.
- All construction work should be certified by a chartered engineer as having been constructed according to S108 or S123 as appropriate, (DAFF, 1987 and 1994).
- Where the poultry manure storage structures are constructed to another design specification, then both the design specification and the subsequent construction work should be certified by a chartered engineer as being suitable for the task and comparable to the Department of Agriculture, Food and Forestry specifications.
- All storage tanks should be inspected by a chartered engineer and certified as structurally sound for the purpose they were intended subsequent to construction and at appropriate intervals thereafter.
- Leak detection facilities based on inspection chambers and perimeter wall and under floor drains should be provided as appropriate.

Surface Water

Storm water and surface water are generated from the roof and the concrete yards of the existing poultry unit. Storm water is drained by natural means from the roof to a stoned piped drainage system and then discharged at two locations to field drains on the applicants land. The surface water associated with the yards surrounding the existing poultry house are drained via yard gullies and then discharged via the same field drains at the same location. The discharge points are not identified in the EIS nor are they identified on site.

It is recommended that the applicant clearly identify all clean surface and storm water discharge points on-site and in the EIS, including grid references, for the purpose of monitoring and sampling.

There is currently no surface water quality monitoring scheme in place to determine water quality at the discharge point. The EIS states that the new development will have no adverse impact on water quality however this is impossible to determine as the discharge points are currently not tested to determine water quality.

It is recommended that a surface water quality monitoring scheme is put in place as per licence. Periodic water quality monitoring of relevant parameters as per licence.

There has been no sampling by the applicant of groundwater in the neighbourhood of the site to establish baseline conditions of groundwater quality.

It is recommended that the baseline conditions of the groundwater are established in the neighbourhood of the site and of the land spreading areas. Periodic water quality monitoring of relevant parameters as per licence. Where appropriate test wells should be provided at the site of the poultry unit. This is particularly important when considering the significant increase in production.

Water Supply

The existing poultry house is supplied with drinking water from Mountain Lodge Group Water Scheme. It is intended that this water supply will also serve the proposed development. Mr. Hannigan stated that the water is tested annually as per Bord Bia requirements and has been, to date, satisfactory. This office is not aware of any existing issues with this water supply.

It is recommended that a condition of the licence stipulate that the applicant maintain all results of water testing on site for the purposes of examination.

Waste

There is adequate storage facilities provided for the storage of dead bird carcasses on site. Mr. Hannigan advised that the dead carcasses are removed as often as necessary, by Animal By-Products contractor College Proteins, Nobber, Co. Meath. This arrangement is to continue after the new facility commences.

Odour

Emissions to atmosphere from this facility include normal respiration gases and odours emitted from the pullet house. Increased emissions may at times be associated with the loading of poultry manure from the existing pullet house once every 15-16 weeks for around 4 hours. At the time of the site visit odour levels appeared acceptable for this type of farming activity. This office is not aware of any odour complaints regarding this facility.

It is recommended however that the applicant monitor odour from the facility closely particularly when the new development becomes active.

Noise

The site is located in a rural environment. B.A.T. specifies the standard noise emission limit values of 55 (daytime) and 45 (night time) dB(A) at any noise sensitive location. At the time of the site visit noise levels appeared acceptable for this type of farming activity. This office is not aware of any noise complaints regarding this facility.

It is recommended however that the applicant monitor noise closely particularly during the construction phase of the proposed development.

Pest Control

Pest control measures are carried out by Verisure Environmental Services. A visual inspection of the bait boxes was carried out. The boxes were in good condition and located at regular intervals around the house and sufficiently baited. The applicant maintains pest control records on site. The applicant plans to apply the same pest control measures to the new development.

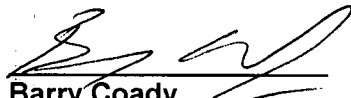
Oil Storage

Gas is the primary source of heating for the units however there is one backup diesel generator on-site which contains oil. The generator has a self contained bunding system in place in the event of a leak.

Conclusion:

The facility is operated in a very efficient manner by the applicant. Other than the issues stated above, the Environmental Health Service has no further concerns at this time regarding this facility.

Yours faithfully,



Barry Coady
Environmental Health Officer

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